Claims

1. A valve arrangement comprising at least one valve (3), which possesses a valve housing (5) provided with housing ducts (8 and 8'), such valve housing (5) having on a first side (16) a first interface (18) for the mounting of a first connection board (22) and on a second side (17) opposite to the first side (16) having a second interface (19) for mounting a second connection board (23), and each connection board (22 and 23) has at least one connection duct (32) communicating, adjacent to an interface (18 and 19), with a housing duct (8 and 8'), such connection duct (32) being provided, at least in the case of the first connection board (22), with connection means (34) for the connection of a fluid line, and the first connection board (22) is held on the valve housing (5) by on the one hand being anchored by retaining means (36) on the valve housing (5) and on the other hand, spaced from the retaining means (36), is secured by attachment means (37) passing through the valve housing (5) internally and/or externally at the second connection board (23) placed at the second interface (19).

2. The valve arrangement as set forth in claim 1, characterized in that the second connection board (23) is anchored on the one hand by the attachment means (37) and on the other hand also by retaining means (36) on the valve housing (5).

3. The valve arrangement as set forth in claim 1 on in claim 2, characterized in that one or both of the connection boards (22 and 23) have an elongated configuration, the retaining means (36) being provided on a terminal region (42), located on the narrow side, and the attachment means (37) are provided on an opposite terminal region side (43), located on the narrow side.

4. The valve arrangement as set forth in any one of claims 1 through 3, characterized in that the attachment means (37) are constituted by a single attachment screw (41).

5. The valve arrangement as set forth in claim 4, characterized in that the driven end (47) of the attachment screw (41) is associated with the first connection board (22).

6. The valve arrangement as set forth in claim 4 or in claim 5, characterized in that the attachment screw (41) is provided with a self-taping thread adapted to cut a thread in an attachment hole (46) in the second connection board (23).

7. The valve arrangement as set forth in any one of the claims 1 through 6, characterized in that at the interfaces (18 and 19) seal means (35), such as for example sealing rings, are provided in the transitional zone between communicating housing and connection ducts (8, 8' and 32).

8. The valve arrangement as set forth in claim 7, characterized in that the sealing means (35) comprises rubber-elastic material in such a manner that they force the first connection board (22) laid in it but not yet

secured by the attachment means (37) on the second connection board (23) into a slightly oblique setting in relation to the first interface (18) so that an attachment screw (41) of the attachment means (37) fitted both in the first connection board (22) and also in the valve housing (5) lies skew between these parts (22 and 5) and the first connection board (22) is consequently held on the valve housing and cannot be lost.

9. The valve arrangement as set forth in any one of the claims 1 through 8, characterized in that the retaining means (36) on the respective connection board (22 and 23) possess at least one retaining projection (36b) which can fit into a retaining well (36a) in the valve housing (5) or vice versa.

10. The valve arrangement as set forth in claim 9, characterized by two retaining projections (36b) arranged in a plane parallel to the associated interface (18 and 19), such retaining projections being arranged in sequence and spaced apart, and by retaining wells (36a) of the respective retaining means (36).

11. The valve arrangement as set forth in any one of the claims 1 through 10, characterized in that the first and/or the second interface (18 and 19) is provided on the floor of a recess (24) in the valve housing (5), which on a front side is delimited by an attachment flange (25) of the valve housing (5) which serves for the attachment of the valve housing (5) on a valve drive (2), as for example in the form of an electromagnetic means or a piezoelectric means.

12. The valve arrangement as set forth in claim 11, characterized in that the retaining means (36 and 36a) on

the valve housing side are provided on the side, which faces the well (24), of the respective attachment flange (25).

13. The valve arrangement as set forth in claim 11 on in claim 12, characterized by an attachment hole (26) extending through the respective attachment flange (25) for the introduction of an assembly screw (27) connecting the attachment flange (25) with a valve drive (2).

14. The valve arrangement as set forth in any one of the claims 1 through 13, characterized in that the connection board (22 and 23) provided with the retaining means (36 and 36b) is so designed that in the mounted condition is conceals the retaining means (36) associated with it.

16. The valve arrangement as set forth in any one of the claim 1 through 15, characterized in that the first connection board (22) is provided with an attachment duct (32), constituting a power duct (32a), adapted to be connected with a load to be operated.

17. The valve arrangement as set forth in any one of the claims 1 through 16, characterized in that the second connection board (23) is provided with at least one supply duct (32b) and at least one venting duct (32c) as a connection duct (32).

18. The valve arrangement as set forth in claim 17, characterized in that the second connection board (23) has as a further connection duct (32) a power duct adapted to be connected with a load to be operated.

19. The valve arrangement as set forth in any one of

the claims 1 through 18, characterized by a dummy plate for fitting to the first interface (18) instead of first connection board (22).

20. The valve arrangement as set forth in any one of the claims 1 through 19, characterized in that one or both of the connection board (22 and 23) is provided with connection means (34) for the connection of fluid lines.

21. The valve arrangement as set forth in claim 20, characterized by connection boards having differing connection means (34), which are able to be mounted in an alternative manner at one and the same interface (18 anf 19).